

STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0123609; AI 139350; PER20080001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

- I. **THE APPLICANT IS:** Scott Cummins Salvage, Inc.
 Scott Cummins Salvage
 6290 US Highway 165 Bypass
 Monroe, LA 71202

- II. **PREPARED BY:** Eura DeHart

- DATE PREPARED:** April 21, 2008

- III. **PERMIT ACTION:** Issue LPDES permit LA0123609, AI 139350; PER20080001

 LPDES application received: February 6, 2008

 EPA has not retained enforcement authority.

IV. **FACILITY INFORMATION:**

- A. The application is for the discharge of exterior vehicle and equipment wash wastewater, treated sanitary wastewater, and stormwater runoff from Scott Cummins Salvage, an automobile salvage yard.

- B. The permit application does not indicate the receipt of industrial wastewater.

- C. The facility is located at 6290 US Highway 165 Bypass in Monroe, Ouachita Parish.

- D. The treatment facilities consist of a two stage oil/water separator with mechanical oil skimmer unit for the exterior vehicle and equipment wash wastewater and two aerated sewage treatment units for the sanitary wastewater.

- E. Outfall 001

 Discharge Location: Latitude 32° 25' 49" North
 Longitude 92° 5' 40" West
 Description: exterior vehicle and equipment wash wastewater
 Treatment: two stage oil/water separator with mechanical oil skimmer unit
 Expected Flow: 0.0005 MGD

- F. Outfall 002

 Discharge Location: Latitude 32° 25' 51" North
 Longitude 92° 5' 38" West
 Description: treated sanitary wastewater
 Treatment: two-chambered, aerated sewage treatment unit
 Expected Flow: 12 employess x 20 gallons/day = 240 GPD
 2 showers x 20 gallons/day = 40 GPD

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 2

1 washing machine x 400 gallons/day = 400 GPD

Total Expected Flow: 0.00068 MGD

Calculations for gallons per day were based upon figures obtained from Chapter 15 of the State of Louisiana Sanitary Code, Department of Health and Hospitals, Office of Public Health.

G. Outfall 004

Discharge Location: Latitude 32° 25' 49" North
Longitude 92° 5' 40" West
Description: commingled discharges of treated vehicle wash and sanitary wastewater
Expected Flow: 0.00034 MGD

H. Outfall 006A

Discharge Location: Latitude 32° 25' 51" North
Longitude 92° 5' 37" West
At the point of discharge on the north side of property
Description: stormwater runoff
Expected Flow: varies with rainfall

I. Outfall 006B

Discharge Location: Latitude 32° 25' 50" North
Longitude 92° 5' 37" West
At the point of discharge behind the office building/warehouse
Description: stormwater runoff
Expected Flow: varies with rainfall

J. Outfall 006C

Discharge Location: Latitude 32° 25' 49" North
Longitude 92° 5' 41" West
At the point of discharge near the wash rack on the southern property boundary
Description: stormwater runoff
Expected Flow: varies with rainfall

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 3

V. RECEIVING WATERS:

The discharge is into an unnamed ditch, thence into Bayou Mouchoir de Lourse, thence into Bayou Petticoat in segment 080904 of the Ouachita River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 080904 of the Ouachita River Basin are as indicated in the table below^{1/}:

Overall Degree of Support for Segment 080904	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Partial						
	Full	Full	Not Supported	N/A	N/A	N/A	N/A

^{1/}The designated uses and degree of support for Segment 080904 of the Ouachita River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 080904 of the Ouachita River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 27, 2007 from Boggs (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Statement of Basis
LA0123609; AI 139350; PER20080001
Page 4

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Eura DeHart
Water Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Section 303(d) of the Clean Water Act as amended by the Water Quality Act of 1987, and EPA's regulations at 40CFR 130 required that each state identify those waters within its boundaries not meeting water quality standards. Section 303(d) further required that states develop management plans (Total Maximum Daily Load Studies, or TMDLs) for waterbodies determined to be water quality limited. Subsegment 080904, Bayou Lafourche - Near Oakridge to Boeuf River near Columbia, is not listed on LDEQ's Final 2004 303(d) List as impaired. However, subsegment 080904 was previously listed as impaired for organic enrichment/low DO, nutrients, priority organics (including Dioxin), suspended solids/turbidity, and phosphorus, for which the below TMDLs have been developed.

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving waterbodies based upon additional TMDLs and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDLs have been established for subsegment 080904:

Bayou Lafourche TMDLs for Dissolved Oxygen and Nutrients

According to the *Bayou Lafourche TMDLs for Dissolved Oxygen and Nutrients*, only four point sources were considered large enough to be included in the model (Tidwell - 0.4 MGD, Greater Ouachita County SE Regional WWTF - 0.52 MGD, Sunshine Oil & Storage - 0.28 MGD, and Bayou Utilities - 0.09 MGD). The remainder of the point sources in the subsegment were assigned limitations according to the current state policies.

Based on the size of the discharge and the distance from Bayou Lafourche, this Department believes that the discharge from this facility will not cause or contribute to any impairment associated with dissolved oxygen. However, BOD₅ and COD limitations are being placed into the permit as a DO indicator parameter to ensure that the facility does not cause or contribute to the DO and nutrient impairment.

TMDL for TSS, Turbidity, and Siltation For 13 Subsegments in the Ouachita River Basin

As per the TMDL, point sources do not represent a significant source of TSS as defined in this TMDL.

However, TSS limitations shall be placed into the permit to ensure that the facility does not cause or contribute to the TSS impairment.

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 5

Dioxin TMDL for Tisdale Brake, Staulkinghead Creek, Little Bayou Beouf, Wham Brake, and Bayou Lafourche

The only identified point source of dioxin is from IP's Louisiana Mill (LA0007561). This facility is not expected to discharge amounts of dioxin that would exceed state water quality standards. Therefore, requirements for dioxin have not been placed into the permit.

Final Effluent Limits:

The proposed effluent limitations were based on limitations in the above TMDLs, LPDES General Permit Number LAG480000 for Light Commercial Facilities – Schedule B, LPDES General Permit Number LAG530000 Class I Sanitary Discharge Permit - Schedule A, LPDES Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activities – Sector M: Automobile Salvage Yards, and permits issued to similar facilities.

OUTFALL 001

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TSS	---	45 mg/l	Light Commercial General Permit, Schedule B.
COD	200 mg/l	300 mg/l	Light Commercial General Permit, Schedule B.
Oil and Grease	---	15 mg/l	Light Commercial General Permit, Schedule B.
Soaps and/or Detergents	N/A	N/A	Light Commercial General Permit, Schedule B.
Visible Sheen	---	No Presence	Light Commercial General Permit, Schedule B.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

**You must document in a monthly inventory record the quantity and type of any Soap and/or detergent that you use during each calendar month. Your inventory records should contain this information for each month beginning one month after the effective date of your permit coverage. Do not submit your inventory records to LDEQ when you submit your DMRs and do not report on your DMRs the quantity of Soap and/or detergent used during the reporting period. A Material Safety Data Sheet (MSDS) for each material used shall be available upon the initial use of a product. The permittee must keep the inventory records, the MSDS for each Soap and/or Detergent used, and copies of the facility's DMR records on file at the permitted facility.

***The limitation shall be "No Visible Sheen." Visual Observation shall be made once per day when discharge occurs and the presence or absence of a sheen recorded in a log. If a visual sheen is present, a letter of noncompliance shall be submitted in accordance with Part III.D.6.e. Retain manual log at the facility for three years. No DMR reporting shall be required.

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 6

Other Effluent Limitations:**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

OUTFALL 002

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
BOD ₅	---	45 mg/l	Class I Sanitary Discharge General Permit, Schedule A.
TSS	---	45 mg/l	Class I Sanitary Discharge General Permit, Schedule A.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

Other Effluent Limitations:**1) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Daily Maximum) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 7

OUTFALL 004

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
COD	---	300 mg/l	Light Commercial General Permit, Schedule B.
BOD ₅	---	45 mg/l	Class I Sanitary Discharge General Permit, Schedule A.
TSS	---	45 mg/l	Class I Sanitary Discharge General Permit, Schedule A.
Oil and Grease	---	15 mg/l	Light Commercial General Permit, Schedule B.
Soaps and/or Detergents	N/A	N/A	Light Commercial General Permit, Schedule B.
Visible Sheen	N/A	No Presence	Light Commercial General Permit, Schedule B.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

**You must document in a monthly inventory record the quantity and type of any Soap and/or detergent that you use during each calendar month. Your inventory records should contain this information for each month beginning one month after the effective date of your permit coverage. Do not submit your inventory records to LDEQ when you submit your DMRs and do not report on your DMRs the quantity of Soap and/or detergent used during the reporting period. A Material Safety Data Sheet (MSDS) for each material used shall be available upon the initial use of a product. The permittee must keep the inventory records, the MSDS for each Soap and/or Detergent used, and copies of the facility's DMR records on file at the permitted facility.

***The limitation shall be "No Visible Sheen." Visual Observation shall be made once per day when discharge occurs and the presence or absence of a sheen recorded in a log. If a visual sheen is present, a letter of noncompliance shall be submitted in accordance with Part III.D.6.e. Retain manual log at the facility for three years. No DMR reporting shall be required.

Other Effluent Limitations:**1) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Daily Maximum) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 8

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

OUTFALLS 006A, 006B, and 006C

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TOC	---	50 mg/l	Multi-Sector General Permit, Sector M. Automobile Salvage Yards
Oil and Grease	---	15 mg/l	Multi-Sector General Permit, Sector M. Automobile Salvage Yards
Total Recoverable Aluminum	---	Report	Multi-Sector General Permit, Sector M. Automobile Salvage Yards
Total Recoverable Iron	---	Report	Multi-Sector General Permit, Sector M. Automobile Salvage Yards
Total Recoverable Lead	---	Report	Multi-Sector General Permit, Sector M. Automobile Salvage Yards

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 9

X. PREVIOUS PERMITS:

There have been no previous LPDES permits issued to this facility.

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) **Inspections**

A review of the files indicates there have been no water-related inspections conducted at this facility.

B) **Compliance and/or Administrative Orders**

A review of the files indicates there have been no enforcement actions administered against this facility.

C) **DMR Review**

There are no discharge monitoring reports on file for this facility.

XII. ADDITIONAL INFORMATION:

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** as shown in the permit will be as follows:

Outfall 001:

Effluent Characteristics
Monitoring Requirements

	<u>Measurement</u>	<u>Sample</u>
	<u>Frequency</u>	<u>Type</u>
Flow	1 / 3 months	Estimate
COD	1 / 3 months	Grab
Total Suspended Solids	1 / 3 months	Grab
Oil and Grease	1 / 3 months	Grab
Soaps and/or Detergents	1 / 3 months	Inventory
Visible Sheen	1 / day	Observation
pH	1 / 3 months	Grab

Outfall 002:

Effluent Characteristics
Monitoring Requirements

	<u>Measurement</u>	<u>Sample</u>
	<u>Frequency</u>	<u>Type</u>
Flow	1 / 6 months	Estimate
BOD ₅	1 / 6 months	Grab
Total Suspended Solids	1 / 6 months	Grab
Fecal Coliform Bacteria	1 / 6 months	Grab
pH	1 / 6 months	Grab

Statement of Basis

LA0123609; AI 139350; PER20080001

Page 10

Outfall 004:

Effluent CharacteristicsMonitoring Requirements

	<u>Measurement</u>	<u>Sample</u>
	<u>Frequency</u>	<u>Type</u>
Flow	1 / 3 months	Estimate
COD	1 / 3 months	Grab
Total Suspended Solids	1 / 3 months	Grab
Oil and Grease	1 / 3 months	Grab
BOD ₅	1 / 3 months	Grab
Fecal Coliform Bacteria	1 / 3 months	Grab
Soaps and/or Detergents	1 / 3 months	Inventory
Visible Sheen	1 / day	Observation
pH	1 / 3 months	Grab

Outfalls 006A, 006B, and 006C:

Effluent CharacteristicsMonitoring Requirements

	<u>Measurement</u>	<u>Sample</u>
	<u>Frequency</u>	<u>Type</u>
Flow	1 / 3 months	Estimate
TOC	1 / 3 months	Grab
Oil and Grease	1 / 3 months	Grab
Total Suspended Solids	1 / 3 months	Grab
pH	1 / 3 months	Grab
Total Recoverable Aluminum	1/year	Grab
Total Recoverable Iron	1/year	Grab
Total Recoverable Lead	1/year	Grab

XIII. TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a new permit for the discharge described in this Statement of Basis.

XIV. REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Scott Cummins Salvage, Inc., Scott Cummins Salvage, February 6, 2008.